TS1041 (US)
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PROCESS FOR THE PREPARATION OF A HIGHLY LINEAR ALCOHOL COMPOSITION

Abstract of the Disclosure

Process for the preparation of a highly linear alcohol composition is provided comprising the steps of:

(a) reacting carbon monoxide with hydrogen under Fischer-Tropsch reaction conditions in the presence of a Fischer-Tropsch catalyst comprising cobalt;

(b) separating from the product of step (a) at least one hydrocarbon fraction comprising between 10 and 50% by weight of olefins containing 6 or more carbon atoms;

(c) contacting one or more of the hydrocarbon fractions obtained in step (b) with carbon monoxide and hydrogen under hydroformylation conditions in the presence of a hydroformylation catalyst based on a source of cobalt and one or more alkyl phosphines; and

(d) recovering the alcohol composition.